BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:- Improvements to drains in hoysala layout in ward no.07 byatarayanapura .

Est Cost: ₹ 17.00 lakhs

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S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	Basic Rate:	cum	130.00						
	Area Weightage @ 6%		7.80						
	Total		137.80						
	Main road		1.00	162.00	0.90	0.90	131.22		
	1st cross road		1.00	50.00	0.90	0.90	40.50		
	Over burden earth		1.00	45.00	1.30	0.90	52.65		
					TOTAL		224.37	137.80	30919.00
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration inlcuding curing for 14 days including cost of all materials labour, HOM curing, form works, scaffolding and centering complete as per specification . (Pg.No.222, It.27.18)								
	Basic Rate:	cum	5115.00						
	4.4*(349.0-245.31)		456.24						
	Sub total		5571.24						
	Area Weightage @ 6%		334.27						
	Total		5905.51						
	Bottom								
	Main road		1.00	162.00	0.90	0.15	21.87		
	1st cross road		1.00	50.00	0.90	0.15	6.75		
					TOTAL		28.62	5905.51	169016.00
3	Providing and laying in plain reinforced cement concrete mix 1:2:4 with OPC @ 240 kgs, with 40 mm and down size graded granite matel coarse aggregates @ 0.84 cum and fine aggragtes @ 0.56cum, in pen foundations including including cost of all materials, labour HOM machinery form works scaffolding and centering complete as per sprcifications complete as per drawing anf techinal specifications. Pg No.222, It No.27.24)								
	Basic Rate:	cum	5103.00						
	4.8*(349.0-245.31)		497.71						
	Sub total		5600.71						
	Area Weightage @ 6%		336.04						
	Total		5936.75						
	Bottom								
	Main road		1	162.00	0.75	0.15	18.23		
	1st cross road		1	50.00	0.75	0.15	5.63		
	Side Wall								
	Main road	1*2	2	162.00	0.15	0.60	29.16		
	1st cross road		2	50.00	0.15	0.60	9.00		
							62.01	5936.75	368139

4	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.28.8.2, Item No.229)								
	Basic Rate:	Tonne	85468						
	Area Weightage @ 6%		5128.08						
	Total		90596						
	Reinforcement for side wall						62.01		
	At 55 Kg % per cum						**3.10**	90596	280894.00
5	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular slabs /side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)								
	SIDE WALL								
	Basic Rate:	Sqm	456.00						
	Area Weightage @ 6%		27.36						
	Total		483.36						
	Main road		4	162.00		0.60	388.80		
	1st cross road		4	50.00		0.60	120.00		
							508.80	483.36	245934.00
6	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data Rate Approved)								
	Basic Rate:	sqm	2337.00						
	Total		2337						
			353	0.6	0.75		159.00		
					TOTAL		**159.00**	2337.00	371583.00
7	KSRRB M200-5.1: Providing and laying cement concrete of mix 1:2:4 with OPC @ 240 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.63cum and fine aggregates @0.42 cum including cost of materials, labour, HOM curing, form works scaffolding and centering complete as per MORTH section:2200 & IS 456, A) Upto 5mtr height.(Pg No.226, It No.28.7.1)								
	Basic Rate:	cum	5421.00						
	4.8*(349.0-245.31)		497.71						
	Sub total		5918.71						
	Area Weightage @ 6%		355.12						
	Total		6273.83						
	Ramps for drains		1.00	162.00	0.15	0.15	3.65		
			1.00	50.00	0.15	0.15	1.13		
					TOTAL		**4.77**	6273.83	29927.00

8	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip. excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136. item No. 17.1)								
					TOTAL		224.37	94.34	21168.00
	Basic Rate	cum	57.00						
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10		32.00						
	Total		89.00						
	Add Area Weightage6%		5.34						
			94.34						
9						Sub Total			1517580.00
10				Add 12% GST charges					182109.60
11				Miscelleneous charges					310.40
12						Total			1700000.00

1)This is certified that the work spot comes under BBMP limits only. 0

2)The rates are as per CSR of 2018-19year of PWD Bangalore Circle.

A.N.D.
Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

15/11
Executive Engineer
Byatrayanapura Division
B.B.M.P.

15/11

Administrative Approval
Accorded For 17.00 Lakhs only
Head of A/C PON
CER NO : 93 Dt: 13/12/21

FA

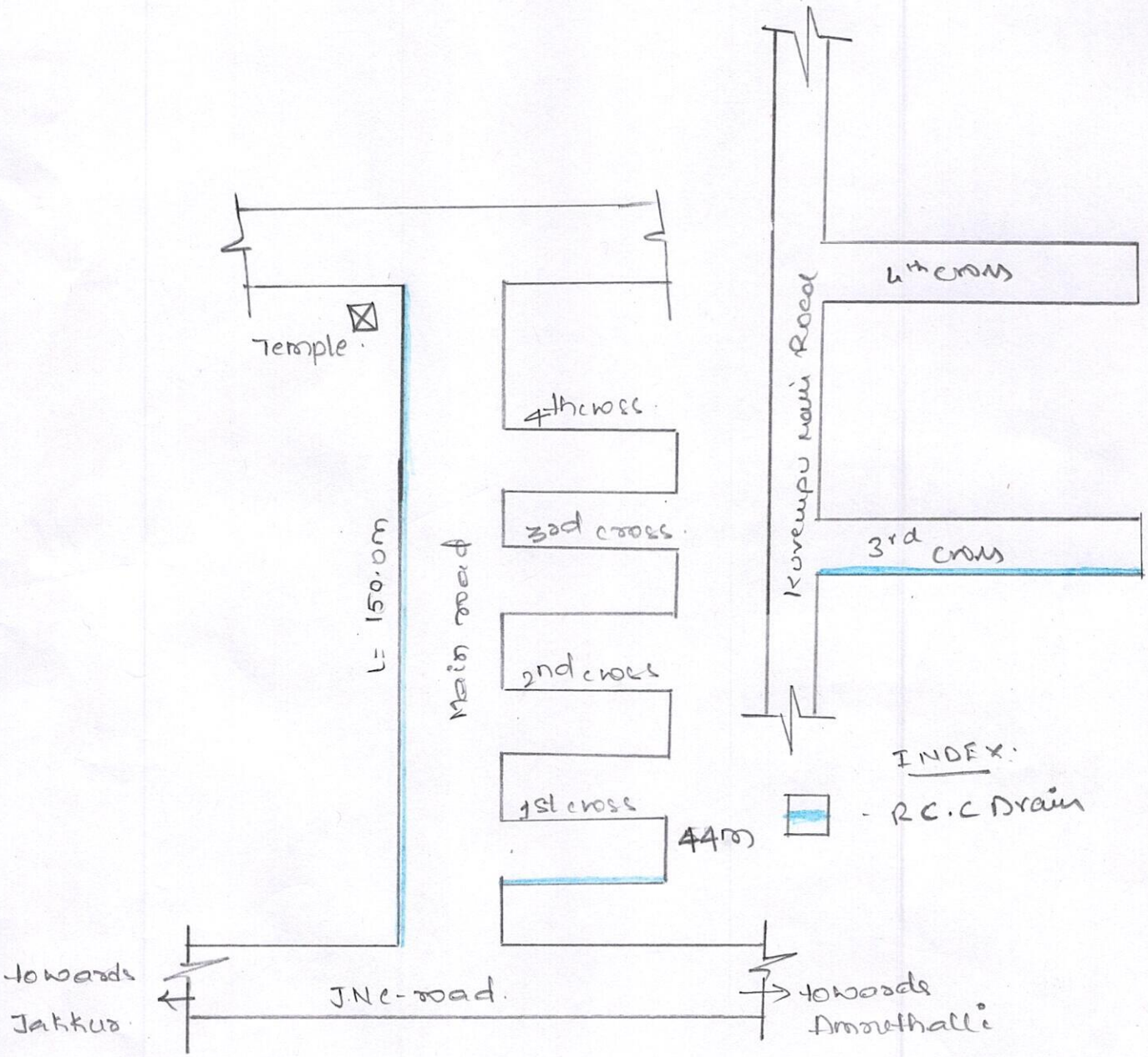
CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 17.00 Lakhs only
Head of A/c. PON
Div. Ref. No. 39 Date. 16/02/22

16/02

EE(BTP) 16/02

Name of work:- Improvements to drains in hoysala layout in ward no. 07. Est cost:- 17.00 lakhs.

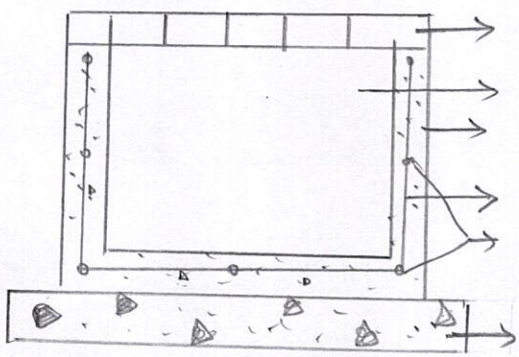


HOYSALA LAYOUT PLAN

Asstt. E.E
Asst(W2)

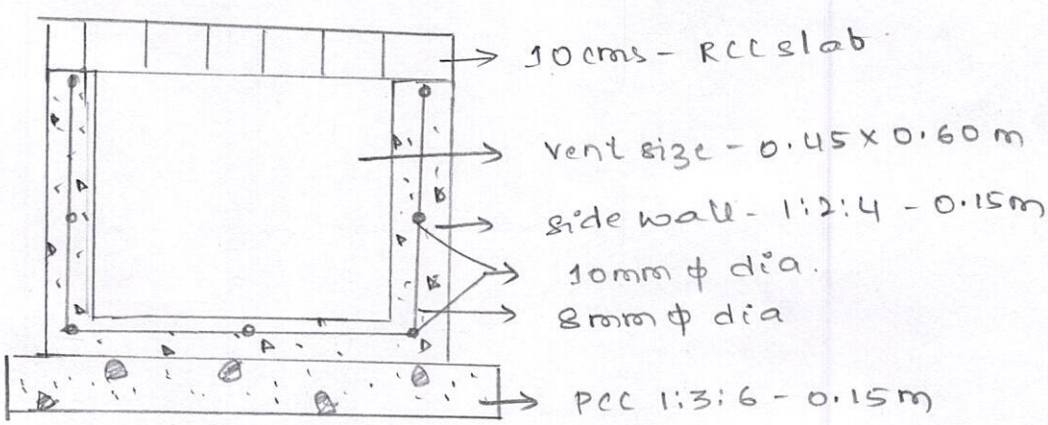
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Name of work:- Improvements to drains in hoysala layout in ward no.07. Est cost: 17.50 lakhs.



CROSS SECTION OF RCC- DRAIN

CROSS - ROAD



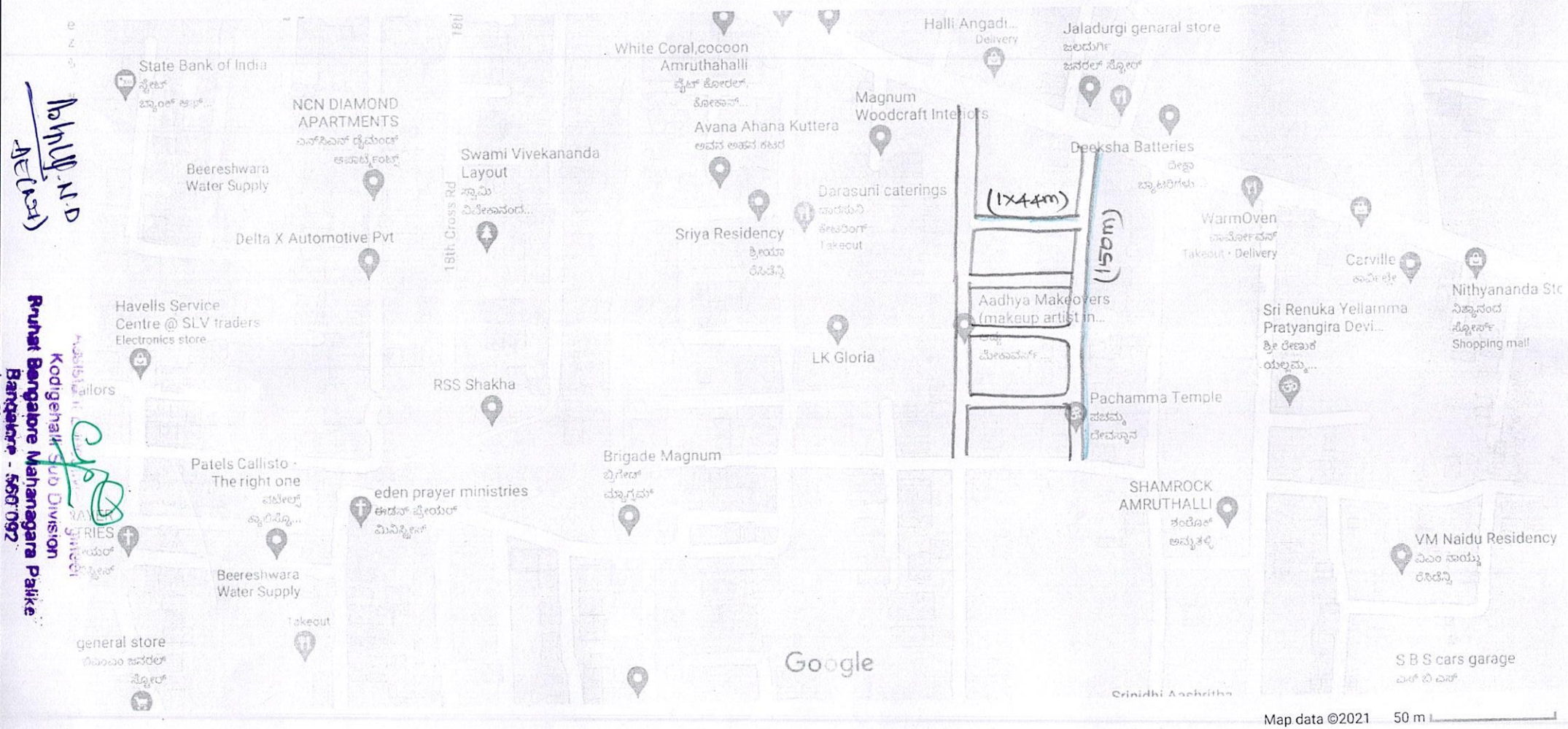
CROSS SECTION OF RCC- DRAIN

MAIN ROAD.

AE(N.D)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Google Maps Hoysala layout

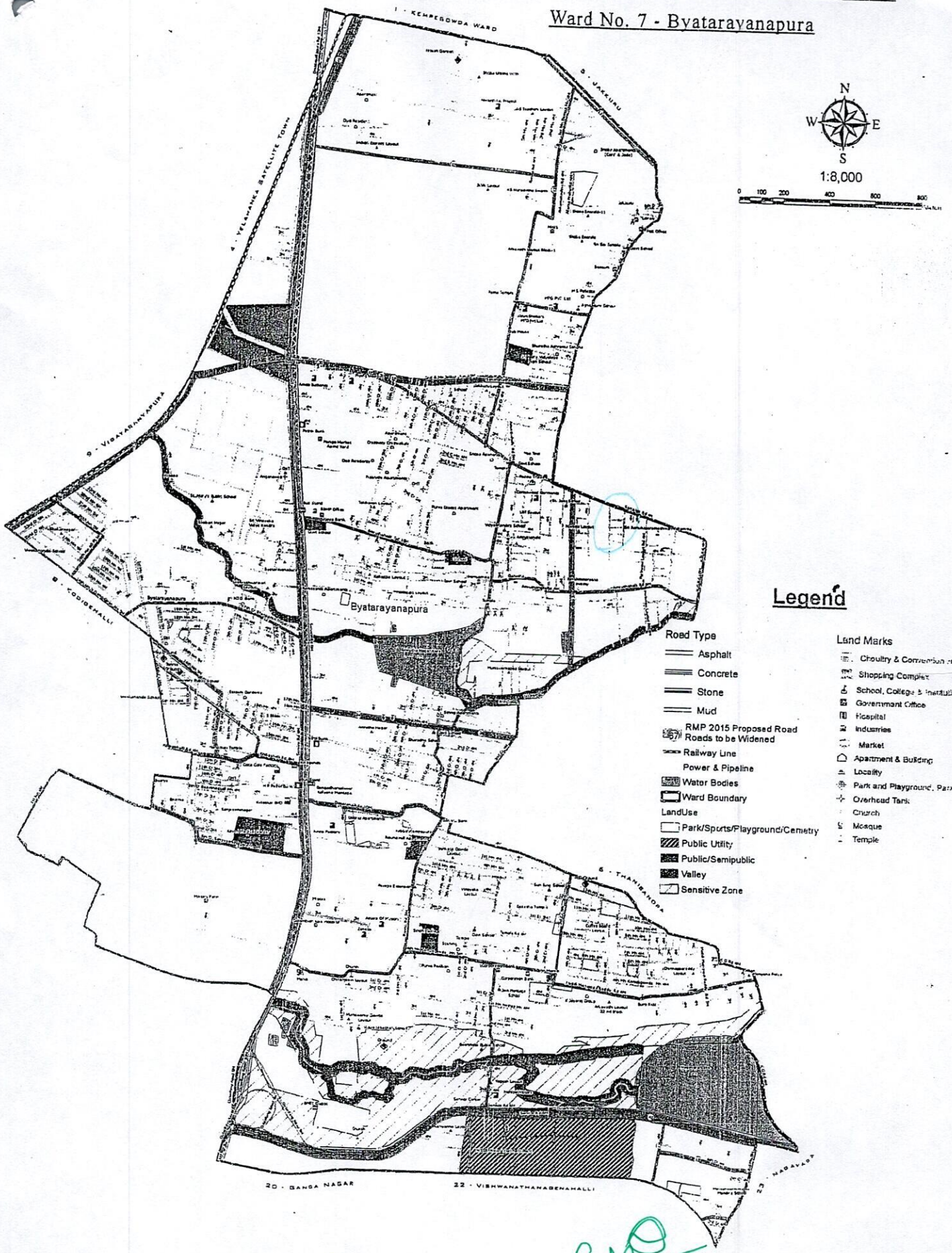


Map data ©2021 50 m

BRUHATH BANGALORE MAHANAGAR PALIKE

Yelahanka Zone - Byatarayanapura Sub-division

Ward No. 7 - Byatarayanapura



Mapped by:

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AREA: 9.60 Sq Kms

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
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